

Claims:

1-33 (Cancelled)

34. (Currently Amended) A method for increasing the dimensional stability of polyisocyanurate foams, the method comprising:

providing an A-side stream of reactants that include an isocyanate;

providing a B-side stream of reactants that include a isocyanate reactive component and a blowing agent selected from the group consisting of alkanes, (cyclo)alkanes, hydrofluorocarbons, hydrochlorofluorocarbons, fluorocarbons, fluorinated ethers, alkenes, alkynes and noble gases;

adding nitrogen to the A-side or B-side stream of reactants[,]; and

contacting the A-side and the B-side stream within a mix head to form a developing foam, where the amount of nitrogen added to the A-side or B-side stream of reactants is an amount sufficient to increase the volume of the developing foam as it instantaneously leaves the mix head by at least 1.25.

35. (Previously presented) The method of claim 34, where the nitrogen is added to the B-side stream of reactants, and where the amount of nitrogen added to the B-side stream of reactants is an amount sufficient to increase the volume of the developing foam as it instantaneously leaves the mix head by at least 1.5.

36. (Previously presented) The method of claim 35, where the nitrogen is added to the B-side stream of reactants, and where the amount of nitrogen added to the B-side stream of reactants is an amount sufficient to increase the volume of the developing foam as it instantaneously leaves the mix head by at least 1.75.

37. (Previously presented) The method of claim 34, where the blowing agent includes n-pentane, isopentane cyclopentane, and mixtures thereof.

38. (Previously presented) The method of claim 37, where the blowing agent is devoid of hydrofluorocarbons and hydrochlorofluorocarbons.

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39-41(Cancelled)